

THE Y-12 BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF CARBIDE AND CARBON CHEMICALS DIVISION

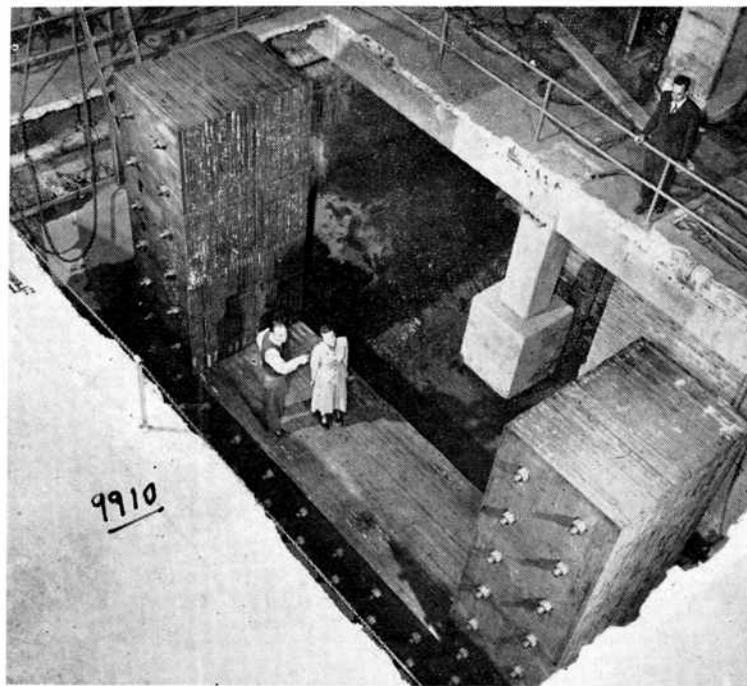
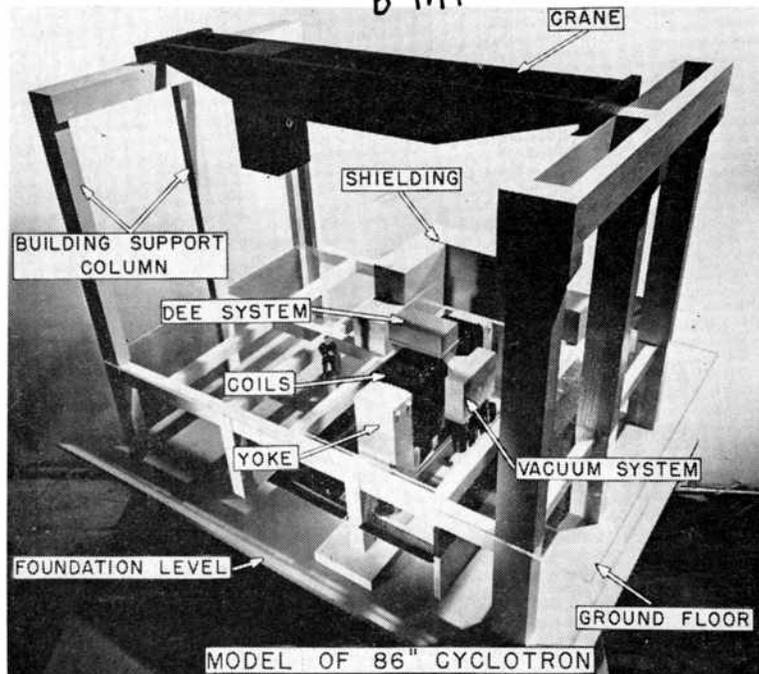
Union Carbide And Carbon Corporation

Volume 4, No. 8

OAK RIDGE, TENNESSEE

Wednesday, February 22, 1950

86-INCH CYCLOTRON IS BEING CONSTRUCTED IN Y-12 AREA



Machine First In Southeast; Will Aid ORNL

Rapid progress in the construction of a large cyclotron in the Y-12 area as part of the Oak Ridge National Laboratory research program is reported by the Director, Dr. C. E. Larson. This new cyclotron, the first to be located in the Southeast, will be an 86-inch machine for the acceleration of protons to 20,000,000 volt energies.

Installation of the 1,000 cubic feet of steel required for the 250-ton magnet yoke was completed in just 15 working days. This is believed to set a record in the high speed assembling of such large masses of metal into precision research equipment. While the magnet is being built, a full-scale model of the electrical system has been constructed in order to test the performance of equipment under simulated operating conditions. A small test cyclotron giving acceleration up to 2,000,000 electron volts has been in operation for some time.

The cyclotron will be an important addition to research facilities of the Southeast. There is no other cyclotron east of the Mississippi and south of the Ohio Rivers. It will be useful in fundamental studies in the field of nuclear research and in the production of radioisotopes. Stable isotopes already being prepared in Y-12 can be bombarded in the cyclotron to produce certain radioactive isotopes not yet available.

Electric Selector Files Research Data

The Baltimore Sun has reported that the Atomic Energy Commission now has a converted electronic computer, known as a selector, to act as a file clerk for the flood of research material outpouring from hundreds of research laboratories. The newspaper hopes this "push-button" type of cataloguing will help mankind keep up with scientific discoveries.

AT LEFT IS SHOWN A MODEL OF THE NEW 86-INCH Cyclotron being constructed in the Y-12 area of the Oak Ridge National Laboratory. A novel feature of the design is the use of

a vertical dee system instead of the conventional horizontal arrangement. More than 1,000 cubic feet of steel were required in the 250-ton magnet yoke, shown at right. The U-shaped construction will permit access from above.

CARBIDE BOWLING MEET OPENS SATURDAY

Analytical Chemists Will Elect Officers

Election of officers and discussion and probable adoption of by-laws will be the principal business slated for the meeting of the recently organized Analytical Chemists Group of the East Tennessee Section of the American Chemical Society, set for next Monday night, February 27. The meeting will be held at 7:30 o'clock in Room 9 of the Special Training Division Building of the Oak Ridge Institute of Nuclear Studies in the rear of the Atomic Energy Commission administration building.

Grimes On Nominating Committee

Warren Grimes, of Y-12, is a member of the group's nominating committee that will submit a slate of officers for consideration of the members at the meeting Monday. A chairman, vice chairman and secretary-treasurer will be selected by the group.

H. P. House, also of Y-12, is a member of the committee that will submit a draft of by-laws at the meeting.

Charles Horton, of K-25, will address the group on "The Determination of Flourides" after the business session.

Dr. C. J. Barton To Preside

Dr. Charles J. Barton, of Y-12, selected as temporary chairman at the first meeting of the group on January 23, will preside at the meeting next Monday.

Russia Reports Another 'First'

Chalk up another "first" for Russian discoveries. Thomas R. Henry, writing for the Washington Star, notes that Russian physicist Peter Kapitza has claimed discovery in cosmic rays of 16 elementary particles hitherto unknown in the world. The "achievement" was recorded in the Russian scientific journal, "Alikhanov."

Y-12 Plant Will Have 100 Pinmen Rolling For Trophies And Cash

The Carbide sports event of the year will get underway this week end when nearly 500 men and women bowlers of the three Company units in Oak Ridge will begin firing in the first Company-wide tournament at the Oak Terrace and Jefferson alleys. Competition will be staged among teams of five members, also in doubles and singles for both men and women on Saturday and Sunday, February 25 and 26 and the following week end, Saturday and Sunday, March 4 and 5. Bowling in the tournament will start at 9 a.m. on Saturdays and 11 a.m. on Sundays.

Entries closed Monday of last week and recreation supervisors of Y-12, K-25 and Oak Ridge National Laboratory spent three busy days compiling a schedule for the tournament. Every possible consideration was given to requests for certain bowling times, with preference, of course, being given shift workers.

Team Play Opens Tournament

In general, team play will take up the first two days of the tournament with doubles and singles being staged on the last two days. There are some exceptions, however, to accommodate particular instances.

A total of 93 teams will engage in the alley activities for handsome trophies and prize money. In addition there will be 178 doubles combinations and 297 individuals will seek top honors in singles competition. In the team entries there are 80 composed of men bowlers while 13 women's teams will compete. A total of 157 men's doubles entries were received while 21 pair of women will compete. The singles competition drew 260 men and 37 women.

About 100 Y-12ers Entered

Of this number Y-12 entered 16 men's teams, 28 men's doubles teams and 50 men entered single competition. Four women's teams will represent Y-12 with seven

(Continued on Page 3)

COMPLETE SCHEDULE FOR Y-12 BOWLERS GIVEN ON PAGE FOUR

The complete schedule for all bowlers entered in the Carbide tournament is given on Page Four. All bowlers are urged to report promptly at the designated location and receive alley assignments so that their events can be run off on time and not disrupt the entire rest of the schedule. All men's events are scheduled for the Oak Terrace alleys while the women will roll at the Jefferson alleys. Any entrant with a question of any kind about the tournament is urged to communicate at once with the Y-12 Recreation Office, North Portal, telephone, 7-8252, before play starts so that adjustments, if necessary, can be made.

Princeton Professor Set To Lead Physics Seminar

Dr. John W. Tukey, professor of mathematics at Princeton University, will be the principal speaker at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, February 24. The meeting will be held in the East Lounge of the Ridge Recreation Hall.

The topic of the discussion will be "Standard Methods of Analyzing Data." Y-12ers interested in the subject are invited to attend the seminar session.

SECRET IS EYED

Recent news stories have reported that the Argonne National Laboratory is using radioactive sugar beets, alfalfa, onions and poppies in an effort to learn the secret of photosynthesis.

Eight Departments Report 'All Present'

Eight Y-12 departments, all in the Minor League of from 15-49 employees scheduled, reported perfect attendance records for the week ending February 12 as against only four the preceding week. Of the four departments with perfect records for the week ending February 5, three repeated their records for the following reporting period.

The three repeaters were Transportation, Manufacturing Offices and Technical Service Laboratory. Joining these three were Superintendents, Receiving and Shipping, Planning and Estimating, Cafeteria and Canteens and Laundry. These departments were in second, third, seventh, ninth and 12th positions the preceding week.

Jumping from 11th position held for the week ending February 5 to second the next week in the Minor League was Plant Engineering, which reported only .6 per cent of its personnel absent. In third place was Uranium Control and Computing with an absentee record of .7 per cent and which was in first place tie the preceding week.

Newcomers took over the top three spots in the Major League of departments with more than 50 employees scheduled. Rising from 11th position to first was

(Continued on Page 2)

Capital Defense Plans Completed

Plans for the defense of Washington, D. C., civilians against atomic or other attack have been completed and sent to the National Security Resources Board, the Washington Times-Herald reports District Engineer Commissioner Gordon R. Young as saying. The plans were worked out by Lieut. Col. Thomas J. Hayes, assistant engineer commissioner, in cooperation with NSRB personnel.

SAFETY SCOREBOARD

Your Plant Has
Operated
245 DAYS
Without A Lost Time
Accident
THROUGH FEB. 19

Y-12 Bulletin

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Eight Departments Report 'All Present'

(Continued from Page 1)

Assay Laboratory with an absentee mark of 1.8 per cent. In second place was the Guard Department, rising from third place held the previous week. Its absentee percentage was 2.09 per cent. Close behind in third place was Product Chemical with an absentee mark of 2.12 per cent and which stepped up two rungs from fifth place.

The plant-wide absentee record for the week ending February 12 showed a .2 per cent increase from the previous week, jumping to 3.5 per cent. The record, by departments, follows:

MAJOR LEAGUE				
Dept.	More Than 50 Employees		Scheduled Standing	
	Absent Percentage	2-12-50	2-5-50	2-5-50
2283	1.8	1	2	5
2091	2.09	2	3	3
2616	2.12	3	5	5
2077	2.8	4	1	1
2282	3.2	5	2	2
2619	3.5	6	6	6
2300	3.9	7	7	7
2015	4.7	8	13	13
2003	5.4	9	11	11
2142	5.5	10	12	12
2014	5.6	11	8	8
2360	7.3	12	9	9
2320	7.4	13	4	4

Group absentee percentage was 4.1 per cent, one per cent higher than the preceding week.

MINOR LEAGUE				
Dept.	15-49 Employees		Scheduled Standing	
	Absent Percentage	2-12-50	2-5-50	2-5-50
2008	0.0	1	1	1
2133	0.0	1	1	1
2270	0.0	1	1	1
2200	0.0	1	2	2
2143	0.0	1	3	3
2002	0.0	1	7	7
2107	0.0	1	9	9
2096	0.0	1	12	12
2060	0.6	2	11	11
2739	0.7	3	1	1
2140	1.1	4	4	4
2005	2.2	5	8	8
2001	2.4	6	5	5
2109	2.7	7	13	13
2009	6.7	8	10	10
2743	7.8	9	6	6
2090	14.7	10	13	13

Group absentee percentage was 2.0 per cent, 1.6 per cent lower than the preceding week.

The plant average for the week ending February 12 was 3.5 per cent, .2 per cent higher than the preceding week.

Dr. Pegram Is Appointed To ORINS Consultant Post

The Oak Ridge Institute of Nuclear Studies has announced that Dr. George B. Pegram, vice president of Columbia University and a former member of the Institute board of directors, will become a scientific and educational consultant to the organization.

Effective at the end of the present scholastic year he will spend about one-fourth of his time in Oak Ridge in his new capacity. Dr. Pegram has served as a director of the Institute since it was organized in 1946, resigning to accept the new position.

Dr. Pegram is one of the nation's scientific leaders and has long been connected with its atomic energy program. In war years he served on the principal atomic energy advisory committee of the National Defense Research Committee and also was with the Office of Scientific Research and Development. At Columbia University he was chairman of the Division of War Research.

Mother to school teacher: "My Harold is very sensitive. If you have to punish him, just paddle the child in the next seat — it will scare Harold and he will behave."

Many Y-12ers In Minstrel By Lions Club

"Four nights of merriment and mirth" might be the billing for the third annual minstrel show of the Oak Ridge Lions Club to be staged March 1, 2, 3 and 4 at the high school auditorium with a public preview set for the night of February 28. Curtain time will be 8:15 o'clock nightly. A host of Y-12ers, their wives and former Y-12ers appear in the cast and in executive positions in the production, which is expected to be the finest of the excellent shows staged by the clubmen.

The production this year will be divided into two sections. The first will be a regular, old-fashioned minstrel show with the usual type of entertainment. The second part is an olio entertainment consisting of a sketch entitled "The Gripes of Wrath or The Contract," in which members of the Lioness Club, auxiliary to the Lions Club, are in charge of most of the action. It is described as a humorous denunciation in mock melo-drama form of the Oak Ridge housing situation.

Bonham Directs Production

L. O. W. Bonham, former Y-12er now at the Oak Ridge National Laboratory, who has stopped the show in previous performances with his blackface entertainment and soft shoe dancing, is general chairman and director of the show. He has had his cast members rehearsing regularly and predicts a smooth performance from start to finish.

L. Z. Dolan, former Y-12er and first president of the Lions Club in Oak Ridge, will be interlocutor in the minstrel part. Among the Y-12ers in the minstrel cast and olio program are Wes Savage, W. C. Tunnell, Dr. C. P. Keim, Elmer Olson, Jim Keeton, Bill Cobb, Joe Preslar, Paul Hagelston and others. Dr. Keim will appear in a specialty sketch, "The Marksman," describing the hazards of duck hunters.

Mrs. Tunnell Wrote Olio

Mrs. W. C. Tunnell is director of the olio feature of the show in which several wives of Y-12ers will appear. She wrote most of the sketch.

Phil Rueff, of Y-12, and Don Cowan, former Y-12er, both among the most talented pianists in Oak Ridge, will provide the accompanying music for the singers and also will stage a specialty number of their own. They have been particularly popular in previous appearances.

Another former Y-12er who will contribute to the production is Glenn Williams, now of ORNL, who has designed and painted a huge backdrop for the minstrel sketch.

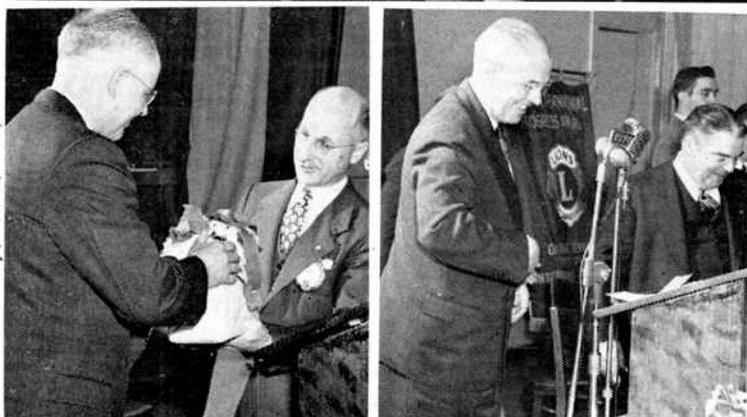
All seats for the final four performances of the show will be reserved and tickets many be obtained from any member of the Lions Club in Y-12. Seats for the preview performance, which will be in the form of a dress rehearsal, will not be reserved.



Only one birth was reported to Y-12 parents at the Oak Ridge Hospital recently. Parents were Mr. and Mrs. Donald W. Kuhn, the baby being a boy born February 10.

AID FOR ACHING FEET

The National Patent Council has reported that a mat has been developed with the objective of reducing discomfort from tired, aching feet and overstrained back muscles of workers who must stand for long periods. The mat is made with a sponge rubber backing, has non-strip edges and a molded surface with an easy-to-clean ribbed design that also provides better traction.



SEVERAL Y-12ERS WHO ARE PROMINENT IN ACTIVITIES of the Lions Club of Oak Ridge took part in the program last Thursday night when the local club was visited by Walter C. Fisher, president of Lions International, from Queenston, Ontario, Canada, and Clifford Pearce, of Memphis, past president of Lions International. In the top picture from left are President Fisher, greeting Y-12ers Dr. Russell H. Baldock, James Keeton, Dr. C. P. Keim, president of the local club, and W. C. Tunnell. At left below Dr. Keim is presenting President Fisher with a portable radio as a gift from the Oak Ridge club. At right below Fisher and Pierce prepare to address the local club.



It seems the bulk of the news of personalities this past week was about sick folks. Some were in the "afraid they were going to die" class—others had reached the "afraid they weren't going to die" category while some were recovering from the invasion of the mean ol' influenza and cold germs that captured Oak Ridge like the Johnny Rebs took Bull Run.

The Isotope and Research Department starts it out with best wishes for speedy recoveries to Fred Thomas and O. M. Garrett, both on the ailing list. Garrett was in the Oak Ridge Hospital . . . Meanwhile Kenneth Allen and Frank Scheitlin, who have been ill, both were welcomed back to the job last week . . . Alma Saw visited friends in Washington, D. C., recently . . . Boyd Weaver is on a trip to Saratoga Springs, N. Y., and to Columbia University in New York City . . . The entire department extends sympathy to L. E. Burkhart over the recent death of his mother-in-law in Chattanooga on February 10.

The Uranium Control and Computing Department extends a warm welcome to Mary Elizabeth Edwards, a new employee in the group . . . W. E. Belvin and his bride spent the past week end in Chattanooga.

C. T. Harris and Nina Lowry are among the sick folks in Product Chemical who are extended get well wishes by the department . . . Al Townsend and Douglas Seymour tried out their fishing luck below the Santeetlah Dam power house recently and reported five small fish safely taken—and the usual big one that got away . . . The department is particularly proud of the attendance records reported by two of its members—Carl Poland and Fred Hawk. Poland is reported not to have missed a single day of work since coming to work more than four years ago, January 29, 1946, to be exact. Hawk's only absence was one day because of the illness of his mother. He has been in Y-12 since May 9, 1944 . . . C. E. Muzzall spent a recent week end with his parents

in McKenzie, Tenn. . . J. S. Tilley is back on the job after a vacation down in the land of the itching palm—Miami, Fla., that is . . . The department is extending congratulations to O. M. Blackwell as a new member of the P. P. of A. (Proud Papas of America) Club—and who thought one up . . . Naomi Wainscott and her husband spent a recent week end sightseeing in Atlanta, Ga.

Lloyd Tolliver and John Kennedy are fugitives from the flu ward, having escaped the ailment and returning to work in the Chemical Department . . . Ralph Watson is vacationing at home in Oak Ridge this week . . . E. M. Williams is receiving get well wishes.

Reported overheard at a recent meeting of the Oak Ridge Power Squadron when G. J. Angele, of Y-12, was describing the purpose of a buoy in a navigation course, "Now," says Gus, "it's important, don't pull it up—if you do all the water will run out of the lake."

Blanche Gibbs, of Medical, spent a recent week end in Bryson City, N. C.

Chemical Research Department nominated D. W. Kuhn to the aforementioned P. P. of A. Club as a masculine heir to the Kuhn family arrived February 10 at the Oak Ridge Hospital and weighed nine pounds and nine ounces. He has been named Douglas Robert. . . Get well wishes of the department are extended to Emily Leyshon, ill in the Oak Ridge Hospital, and also to George Morrow, felled by flu . . . Dr. D. G. Hill, a consultant for the department, was a welcomed visitor to the group for a few days recently.

Winnie Miller, of Employee Relations, and a group of friends traveled over to Maryville a few nights ago to see a performance of Martha Graham and her dancing troupe in which modern and ballet dancing was presented.

The Guard Department has its share of sick folks, too. Capt. H.L. Dickenson and J. B. LaRue both were in the Oak Ridge Hospital last week and their comrades send best wishes for a quick recovery.

'Two Blind Mice' By Playhouse Full Of Laughs

The Oak Ridge Community Playhouse will offer for laughing purposes principally the hilarious three-act comedy, "Two Blind Mice," at the high school auditorium Thursday, Friday and Saturday of this week, February 23, 24 and 25. Curtain time is 8:15 p.m.

Mrs. Martha Ross, veteran member of the Playhouse and wife of Don Ross, of the Y-12 Health Physics Department, is cast in one of the principal leads of the production. Evan Means, of the Y-12 Electrical Maintenance Department, will be stage manager for the performances, a post he has held for several years with the amateur thespians.

The story of "Two Blind Mice" centers around the activities of two spinster ladies who were appointed to a fictitious government bureau, Office of Medicinal Herbs, under a long-past administration. The office was forgotten, then finally abolished, but neither of its operatives notified, so they kept on in business. What happens when an inquisitive reporter bares conditions provides a heavy schedule of laughs from curtain to curtain.

Virgil Lovett, of Electrical Maintenance, spent a week's vacation up in Kentucky recently . . . J. R. Joslin, however, spent a similar period right at home in Oak Ridge. O. C. Collins is the recipient of departmental rapid recovery wishes because of illness.

W. C. Laughlin is on the sick list of Field Maintenance and it is hoped he will be back soon.

The Fire Department reports W. T. Galyon is enjoying his two week vacation period just loafing around his home in South Clinton.

J. D. McGuffin, the master fisherman from the Stores Departments whose exploits have been publicized in The Y-12 Bulletin previously, reported some tough hours spent trying to break a jinx recently. Included among his troubles was the necessity of having to row up a river without a motor on his boat, which as one and all and sundry know is not conducive to good spirits necessary for enjoyable fishing. Better luck next time . . . J. L. Harmon spent a more profitable time on a recent vacation of one week, buying a new house in the Cumberland Mountains and also just hanging around his present domicile in Oak Ridge.

Receiving and Shipping Department is wishing a quick recovery to J. T. Creasman, who is ill in the Oak Ridge Hospital.

The Tool Department extends deepest sympathy to Arthur Phillips over the recent death of an aunt.

F. M. Henry, of Buildings and Grounds, is receiving expressions of sympathy from fellow employees over the death of an uncle.

Mrs. Lula Justice and A. F. Kendig, both of the Transportation Department, are receiving get well wishes from fellow employees. Both are on the ailing list.

Trasda Joiner, of Wage Standards, is another member of the ailing group and has received best wishes for a quick recovery from fellow employees.

Nadine Graham, of the Assay Laboratory, is in the same category as Trasda Joiner.

Still another member of the P. P. of A. Club is Warren Beyer, also of the Assay Laboratory. Warren and Mrs. Beyer are proud parents of a baby daughter, named Susan, born February 14 at the Oak Ridge Hospital. She weighed six pounds, 11 ounces . . . Mattie Anderson spent the past week end with home folks in Pennington Gap, Va. . . Juanita Herndon had as a recent guest her brother, Jack Herndon, of Grand Rapids, Mich.

Some of those enthusiastic amateur agriculturists in Y-12 are beginning to get ready to observe that one of the nicest things about gardening is that if it is put off long enough it eventually is too late.

SPORTS NEWS

CARBIDE BOWLING MEET OPENS SATURDAY

Y-12 Plant Will Have 100 Pinmen Rolling For Trophies And Cash

(Continued From Page 1)

doubles groups and 13 singles also entered. A total of about 100 Y-12-ers will take part in the events.

From K-25 there will be 50 men's teams, 105 doubles teams and 175 men's singles. K-25 also will enter five women's teams, nine women's doubles groups and 14 in women's singles. The Oak Ridge National Laboratory entry list shows 14 men's teams, 24 men's doubles and 36 men's singles. The Laboratory also entered four women's teams, seven women's doubles combinations and 13 Lab lassies will roll for individual honors.

Trophies Valued At \$500

Trophies costing a total of \$500 will be presented by the Company to winners in different classifications. A total of 57 of these will go to winners in men's events while 42 go to the top women keglers in the tournament.

In addition to the handsome trophies, a total of \$1,341.60 in prize money will be distributed among the various winners. This money was included in the entry fees and amounted to 30¢ per person.

Prospects for Y-12 keglers in the tournament loom bright as there are a number of top-flight bowlers who will compete under Y-12 colors. Several teams of men and women from the plant leagues have entered as units in the event, while some new combinations have formed especially for the Company tournament. A number of strong doubles combinations have been formed, many of whom are given an excellent chance at top honors. There also are a lot of individuals in Y-12 who can score with the best in Oak Ridge on any given night.

Events And Prizes Listed

In the men's competition, the following events will be staged with trophies awarded as described:

Team series, handicap, first, second and third, five awards to each team, total of 15 trophies.

Team series, scratch, same awards as handicap series.

Doubles, handicap, three places, two awards to each team.

Doubles, scratch, same awards as handicap series.

Singles, handicap, three places, three trophies.

Singles, scratch, same awards as handicap.

All events, handicap, four places, four trophies.

All events, scratch, three places, three trophies.

Bowlers must have participated in team, doubles and singles competition to be eligible for all events prizes.

Women Also Get Prizes

The women bowlers will compete in the same number of events, but not as many places will be counted for trophies. In team play, handicap and scratch; and doubles, handicap and scratch; trophies will be presented first and second place winners. However, the top three bowlers in the handicap class will receive trophies, but only two

prizes will be presented in the scratch singles event. In the all events handicap class, first, second and third place winners will receive awards, but only first and second place in the all events scratch event will be awarded trophies. Women bowlers also must participate in team, doubles and singles competition to be eligible for all events prizes.

Any bowler winning both scratch and handicap trophies will be awarded the scratch trophy, the handicap trophy going to the next highest bowler. Any such winner, however, will receive the cash prize which is awarded only for the best handicap scores.

The trophies to be awarded will be similar for both men and women and the team trophies will be alike except for figures and engraving. Doubles and singles prizes will be similar for each corresponding place finished. The all events trophies will be the largest of the lot.

Guards Get Whitewash Win To Tie For Top

While the Hooks and Orphans, fighting it out for the lead in the C League of plant keglers last Wednesday night at the Central alleys, split even in a toughly contested series; the Guards swept the Hurricanes for four points and climbed into a tie for first place.

Tied At Both Ends

As the top spots in the loop were deadlocked so were the last two positions. The Short Circuits, door mats for the league for some time, rose up on their hind legs to take three from the Thin Pins and climb to a tie with the Hurricanes for the basement site. In the other loop contest the downtrodden Moles stung the Hornets for three points out of four.

Team scoring honors were divided between the Orphans and Short Circuits, the former taking tops in scratch scores with an 800 single game and 2,228 series, while the latter team had a 1,007 handicap single game and 2,854 handicap series.

Scoring Honors Are Divided

Individual top scoring was split four ways. E. B. Galloway, of the Hooks, pounded out a 190 scratch single game. Elmore Koons, of the Orphans, came through with a 482 scratch series. Guardsman Pledger Goins rolled a 232 handicap single game and Jim Charles, of the Thin Pins, fired a 640 handicap series.

League standing follows:

Team	W	L	Team	W	L
Orphans	19	9	Thin Pins	12	16
Guards	19	9	Moles	11	17
Hooks	18	10	Hurricanes	10	18
Hornets	13	15	Short Circuits	10	18

Opportunity doesn't knock these days It rings the phone and asks silly questions.



6-1159

Y-12 Photos By Vince Moore

THE SPECKLED BIRDS (SHADES OF ROY ACUFF AND who picked that name) basketball team of the Oak Ridge Recreation Basketball League is pictured above. Front row, from left, are Warren Grimes, Bill Mason, Fred Kappelman, Ward Foster and Bill Cottrell. In the back row are Bill Dodson, Joe Walton, Dave Crouse and Bill Prater.

Birds, Jays Are Deadlocked; Meet Head On In Tilt Thursday

With the two Y-12 entrants in the Recreation League deadlocked for second place with two victories and a similar number of losses each, the meeting of the Speckled Birds and Blue Jays at 8 o'clock Thursday night at Jefferson Junior High School might have a lot to do with not only the present standing of the two plant entries but possibly with the outcome of the second half of the season race. It will be the last meeting of the two teams unless a postponed game from earlier in the season has to be played to determine the final listing of the loop.

However, both the Birds and Jays have engagements tonight that have a bearing on the race. The Birds have the toughest assignment, meeting AEC at 8 o'clock. The AEC lads also have a two-two record. The Jays tackle the ORNL Instruments at 7 o'clock. The schedule next Monday night tosses the Jays at the ORNL Chemists and the Birds at the loop-leading Barber Buick quintet.

Bums, Tigers Leading After Opening Games

The Bums and Tigers each scored whitewash victories over One-91 and the Mules in the opening clashes in the third round of bowling in the B League last Thursday night at the Oak Terrace. The Bums were in last place at the end of second round play while the Tigers were resting in sixth place.

Bumpers And Comets Divide

The Bumpers and Comets, the one-two teams at the end of the second round, met head on in the first session of the third round and ended in a deadlock with an even split. In other league engagements the Cubs bagged three from the Wolves, the All Stars got the same number of points at the expense of the Head Pins and the Rippers were victorious by the same margin over Maintenance.

The Tigers led the team handicap scoring of the night. They posted a 1,014 single game and 2,990 series. The All Stars posted the best scratch single game of 854 and the Rippers fired a 2,422 scratch series for tops in that bracket.

Scoring Honors Are Divided

Individual scoring honors were divided four ways. Elmore Koons banged out a neat 217 scratch single game but Don Musser, of the Bums, got the best handicap game with 245. Frank Gragg rolled a scratch 526 series but Bill Graham, of the Tigers, topped the handicap series scorers with a 641.

League standing follows:

Team	W	L	Team	W	L
Bums	4	0	Comets	2	2
Tigers	4	0	Head Pins	1	3
Cubs	3	1	Maintenance	1	3
All Stars	3	1	Wolves	1	3
Rippers	3	1	One-91	0	4
Bumpers	2	2	Mules	0	4

Test water before getting into a tub or shower and avoid possible painful burns.

Materializers Lose Perfect Game Record

The Materializers finally were knocked out of the perfect game standing category in the D League of plant bowlers February 14 at the Oak Terrace when the Strikers got away winging to take the first game by a margin of 113 points. However, the league leaders came back to wind up with three points to the good. The Termites and Angstroms kept pace with three-point victories each and the Isotopes and Overheads came out all even in the best scoring match of the night.

Isotopes Top Game Scorers

The Isotopes took one game with a 1,002 score and the Overheads came right back with a 1,001 as the teams split. The Isotopes' 1,002 was the best handicap single game of the night but the Overheads came through with a 2,848 handicap series score for tops of the session. Tom Stephens fired a 246 handicap single game for the Isotopes while Leo Hemphill got a 205 scratch single game, boosted to 253 with handicap for the Overheads. Leonard Crawford posted a 617 handicap series and Elmore Koons a 508 scratch series for the Overheads.

The Angstroms continued their winning ways by downing the Old Men for three big points. John Schmitt helped the Old Men get their lone point.

Gragg Sweeps Individual Honors

Frank Gragg swept all individual scoring honors for the night as the Termites took the Splinters for three. Gragg fired a fine 236 scratch single game, boosted to 256 with handicap; a 586 scratch series that soared to 646 with handicap. Wes Savage also got a 553 series and 221 scratch game for the winners while Leo Caldwell posted a 504 scratch series for the Splinters. The Splinters also got some good bowling by Doug Lavers, who returned to the lineup after a long layoff.

The Strikers overcame the hoodoo of their jinx alley in their first game against the Materializers with a 992 opening game to get a victory by 113 points. The Materializers then put the jinx back on their opponents and went on to take the series by a single pin. John Ramsey led the Materializers with a 590 handicap series.

League standing follows:

Team	W	L	Team	W	L
Materializers	19	1	Old Men	8	12
Termites	14	6	Overheads	8	12
Angstroms	12	8	Splinters	6	14
Strikers	9	11	Isotopes	4	16

Cage Schedule Nearing End For Y-12 Teams

A clash against the Southern Bell quintet at 8 o'clock tonight and an engagement with the Dixie Aces of Chattanooga Saturday night will wind up the basketball season for the Y-12 Cardinals. The team will disband after the Saturday night scrap against the 'Nooga cagers, passing up opportunities to compete in Oak Ridge and Knoxville tournaments.

The Oak Ridge City League program for Wednesday night also sends the Robins against the loop-leading Roane-Anderson women basketballers again with the feminine tilt starting at 6:45 o'clock. The Cards' game with Southern Bell follows at 8 o'clock, both games set for the Jefferson hardwood.

The league schedule for the Robins also calls for only one more game after tonight as the Y-12 lassies are slated to meet Clinton at 6:45 o'clock next Monday night at Jefferson.

That scrap between the Cards and Aces Saturday night at Jefferson should be a hummer if the Red and White cagers play in the form of which they are capable. The Cards had the Aces on the ropes down in Chattanooga a short time back but let the home town boys rally for a last quarter victory.

As a preliminary to the Cards-Aces game the Y-12 Robins again will meet the feminine cagers from Athens, Tenn. Last Saturday night the Robins trounced the Athens women by 40 to 36 in a see-saw battle and the game this week will be the rubber of a three-game series as the Robins dropped a close one down South several weeks ago.

Y-12ers Find Going Tough
Both the Robins and Cards had tough going in games last week. The Cards dropped a 61 to 41 decision to Trico and then were forced to forfeit to K-25 when Coach Frank Darby could not raise a quorum to don uniforms. The Robins, badly crippled, were trimmed by K-25 to the tune of 17 to 15. Judy Butler, fine forward for Y-12, broke her ankle in this fracas and Peggy Dickens and Virginia Bowers were unable to play, taking the punch out of the lineup. Then the Robins tried again against Roane-Anderson, but after leading at half time by 12 to 11, faltered in the last period and were trimmed by 31 to 21.

Men Varsity Bowlers Maul Maxon Pinmen For Three

The Y-12 men's varsity bowling team regained winning ways February 13 when it racked up a three-point victory over the Maxon keglers at the Oak Terrace alleys. The victorious pinmen of Y-12 captured the first engagement by 848 to 721, then suffered a brief lapse and allowed Maxon to pull up even with a close 788 to 776 win in the second contest. The Y-12ers really went to town in the deciding game to post a 913 to 764 triumph and an overwhelming total pinnage margin of 2,537 to 2,273.

Four Y-12 keglers topped the 500 mark in series scores for the night for one of the best team performances of the season. Ernie Cobble got the best single game with 207 but Conrad Roberts was just behind with a fine 206. Frank Gragg topped the scorers with 178, 169, 192—539; followed by Cobble with 172, 143 207—522; Nelson Tibbatts 143 175, 199—517; Roberts 206, 152, 155—511; and Elmore Koons 149, 134, 160—418.

The triumph left the Y-12 team in fifth place in the league. The Maxon pinmen were in last place.



6-1163

Y-12 Photos By Vince Moore

WHETHER THE MAINTENANCE BOWLING TEAM MEMBERS of the B League are attempting to raise their scores by means of levitation or are merely trying to hide the figures isn't quite clear. However, the plant league keglers from left are Troy Moody, George Riddle, Mike Crews, George Dunlap and C. G. Hubbard.

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Gordon Wins Top Honors For Second Month In Row In Camera Club Photographic Print Contest

For the second consecutive month, Frank Gordon, of the Y-12 Electro-magnetic Research Laboratory, took first prize in the monthly black and white photographic print contest held by the Carbide Camera Club. In the competition staged February 14 in club headquarters in the Y-12 East Portal building, Gordon's table top picture entitled "Bone of Contention" won in a close finish with entries by O. K. Lewis, of the Oak Ridge National Laboratory, being judged second and third.

Picture Well Arranged

The well arranged and excellent processed photograph by Gordon showed a porcelain dog hungrily looking over bones of the same material on a background of natural earth.

Harry Bainbridge, of Y-12 and former president of the club, took first honorable mention, and second honorable mention went to S. A. Hluchan, of ORNL, vice president of the organization. Judges were Amos C. Trotter, general science teacher at the Oak Ridge High School and former member of the Knoxville Shutterbug Club, and Mrs. Trotter.

Nat Stetson, also of Y-12 and president of the club, announced last week that the March meeting of the club will be held at 7:30 o'clock Tuesday night, March 14. The contest for this session will be in black and white prints with the subject being sunrises and sunsets.

Meeting Well Attended

The February 14 meeting of the club was one of the best attended in recent months, with 38 members being present out of the total membership of 55. In addition to the print contest won by Gordon a lecture on "Lessons In Photographic Composition From The Fine Arts" was given by Irwin Grossman, an art teacher from the Oak Ridge High School. He demonstrated approved styles of composition with opaque projections of paintings and photographs to illustrate his subject.

Stetson has announced that members without 1950 membership cards may not obtain the key to the club dark room after March 1.



ENTITLED "BONE OF CONTENTION," THIS UNIQUE table top photograph won top honors in the February black and white print contest held by the Carbide Camera Club February 14. The picture was made by Frank Gordon, of Y-12, with a 2 1/4 by 3 1/4 Busch Pressman camera on Panatomic X film with D-76 developer. Lighting used included a No. 1 Photoflood and a No. 2 Photoflood and one spot. Kodabromide E-2 paper was used with Ardel developer and sepia toner. It was Gordon's second first prize winning entry in succession in the monthly Camera Club contests.

Bowling Times For Y-12ers

Here is the complete schedule for Y-12 bowlers participating in the Carbide tournament scheduled for February 25-26 and March 4-5. The men will bowl at the Oak Terrace and the women at Jefferson.

MEN'S TEAMS

Materializers, 9 a.m., Feb. 25, Knox, Boody, Frazier, Ramsey, Keeton, Kelly with Hagelston and Crabtree alternates.

Comets, 9 a.m., Feb. 25, McLendon, Stewart, Wiest, Reece, Pletz with Prater alternate.

All Stars 9 a.m., Feb. 25, Petretsky, Briscoe, Burns, Whitaker, Fultz with Williams alternate.

Bums, 11:30 a.m., Feb. 25, Schmitt, Crouse, Ward, Kappelman, Grimes with Musser alternate.

Old Men, 11:30 a.m., Feb. 25, Overholser, Nessle, Brown, Coleman, Davis.

Moles, 11:30 a.m., Feb. 25, Arendale, Robinson, Seeley, Lowrie, Brown with Kuhn alternate.

Wolves, 2 p.m., Feb. 25, Gragg, Cobble, Sise, Dew, Roberts with Sherrod alternate.

Head Pins, 2 p.m., Feb. 25, McBirney, Ratjen, Morgan, Barker, Savage with Scofield alternate.

Misfits, 2 p.m., Feb. 25, C. J. Greene, Balis, Kendig, Ford, Noe.

Angstroms, 4:30 p.m., Feb. 25, Griffin, Southern, Twitchell, McNally, Spitzer with Susano, Dockie Smith and N. V. Smith alternates.

Maintenance, 4:30 p.m., Feb. 25, Hubbard, Dunlap, Crews, Riddle, Moody.

Bumpers, 4:30 p.m., Feb. 25, E. E. Green, Galloway, Thurman, Arms, McGill.

Tigers, 7 p.m., Feb. 25, Gillihan, Freels, Rice, Shotts, Palmer with Graham alternate.

Mules, 12 noon, Feb. 26, Gordon, Webber, Kennedy, Schaeffer, Allston.

Rippers, 12 noon, Feb. 26, Koons, Groppe, Tibbatts, Holtzknecht, Duncan.

Corks, 7 p.m., March 4, Clark, Whitehead, Susano, Townsend, Roberts.

WOMEN'S TEAMS

Cast Offs, 4 p.m., Feb. 25, Poindexter, O'Neal, Tyer, Law, Thurman.

Woes, 4 p.m., Feb. 25, Matlock, Mason, Phillip, Moody, Tiller.

Pick Ups, 6:30 p.m., Feb. 25, Frazier, Rogers, Carson, Bow, Byrd with Arnold alternate.

Controllers, 6:30 p.m., Feb. 25, Whitehorn, Sherman, Williams, Franklin, Upchurch.

MEN'S DOUBLES

Freels, Gillihan, 9 p.m., Feb. 25. Ratjen, Caldwell, 9 a.m., March 4. Grimes, Susano, 9 a.m., March 4. Gordon, Webber, 9 a.m., March 4. Barker, Morgan, 9 a.m., March 4. Sherrod, Cobble, 11 a.m., March 4.

Sise, Dew, 11 a.m., March 4. C. Roberts, Gragg, 11 a.m., March 4.

Arms, Galloway, 11 a.m., March 4.

Wiest, McLendon, 1 p.m., March 4.

Noe, C. J. Greene, 1 p.m., March 4.

McGill, Thurman, 1 p.m., March 4.

E. E. Green, Kendig, 1 p.m., March 4.

Clark, Whitehead, 1 p.m., March 4.

4. Kappelman, Burns, 3 p.m., March 4.

Holtzknecht, Duncan, 3 p.m., March 4.

Groppe, Tibbatts, 3 p.m., March 4.

Ford, Townsend, 3 p.m., March 4.

4. Crouse, Schmitt, 3 p.m., March 4.

Stewart, Pletz, 5 p.m., March 4.

Knox, Boody, 5 p.m., March 4. Dunlap, Riddle, 5 p.m., March 4. Hubbard, Tiller, 5 p.m., March 5. Koons, Roy Roberts, 5 p.m., March 5.

Crews, Moody, 5 p.m., March 4. Frazier, Killian, 7 p.m., March 4.

WOMEN'S DOUBLES

Williams, Upchurch, 11 a.m., Feb. 26. Sherman and Whitehorn, 11 a.m., Feb. 26.

Thurman and Tiller, 11 a.m., Feb. 26.

Poindexter and O'Neal, 11 a.m., Feb. 26.

Law and Franklin, 1 p.m., Feb. 26.

MEN'S SINGLES

Wiest, 4:30 p.m., Feb. 25. Stewart, 7 p.m., Feb. 25. Gillihan, 7 p.m., Feb. 25. Riddle, 2:30 p.m., Feb. 26. Pletz, 2:30 p.m., Feb. 26. Freels, 2:30 p.m., Feb. 26. Allston, 2:30 p.m., Feb. 26. Moody, 5 p.m., Feb. 26. Hubbard, 5 p.m., Feb. 26. Duncan, 5 p.m., Feb. 26. Crews, 5 p.m., Feb. 26. Burns, 1 p.m., March 4. Ford, 7 p.m., March 4. Thurman, 9 p.m., March 4. McLendon, 9 p.m., March 4. McGill, 9 p.m., March 4. Knox, 9 p.m., March 4. E. E. Green, 9 p.m., March 4. Webber, 11 a.m., March 5. Townsend, 11 a.m., March 5. Sherrod, 11 a.m., March 5. C. R. Roberts, 11 a.m., March 5. Ratjen, 11 a.m., March 5. Noe, 11 a.m., March 5. C. J. Greene, 11 a.m., March 5. Cobble, 11 a.m., March 5. Barker, 11 a.m., March 5. Bailis, 11 a.m., March 5. Seagle, 1 p.m., March 5. Sise, 1 p.m., March 5. Susano, 1 p.m., March 5. Kappelman, 1 p.m., March 5. Gragg, 1 p.m., March 5. Frazier, 5 p.m., March 5. Dunlap, 5 p.m., March 5. Whitehead, 7 p.m., March 5. Tibbatts, 7 p.m., March 5. Schmitt, 7 p.m., March 5. Petretsky, 7 p.m., March 5. Koons, 7 p.m., March 5. Killian, 7 p.m., March 5. Grimes, 7 p.m., March 5. Galloway, 7 p.m., March 5. Groppe, 7 p.m., March 5. Crouse, 7 p.m., March 5. Clark, 7 p.m., March 5. Arms, 7 p.m., March 5. Roy Roberts, 9 p.m., March 5. Holtzknecht, 9 p.m., March 5. Briscoe, 9 p.m., March 5.

WOMEN'S SINGLES

Williams, 1 p.m., Feb. 26. Sherman, 1 p.m., Feb. 26. Tiller, 3 p.m., Feb. 26. Law, 3 p.m., Feb. 26. Franklin, 3 p.m., Feb. 26. Poindexter, 3 p.m., Feb. 26. O'Neal, 3 p.m., Feb. 26. Thurman, 5 p.m., Feb. 26. Whithorn, 5 p.m., Feb. 26. Upchurch, 9 p.m., Feb. 26.

Hi Balls Gain First Place Tie; Woes Repeat Act

The Woes continued their "two out of three" act in the W League of plant women bowlers last Wednesday night on the Jefferson alleys, turning in two wins and one loss for the seventh straight week. However, the potent and fast rising Hi Balls downed the Dodgers for three points and went into a first place tie with the Wives of Employees team.

The Controllers, which lost control of the league-leading post a short time back after ruling the roost for several weeks, were right behind the two tied leaders in the race as they took a pair from the Kemps. In the other league match, the Pick Ups plucked two points from the Spinners.

The Controllers took most of the team scoring honors with a 728 scratch game, 2,042 scratch series and 2,765 handicap series. The Kemps banged out a 987 handicap single game for tops of the night. Desma Hutcheson and Katherine Hoskins, both rolling for the Kemps, hogged individual scoring titles, the former getting a 179 scratch single game boosted to 241 with handicap. The latter topped the handicap series scorers but was second to Thurman, a substitute for the Woes, in scratch series scoring as Thurman posted a 446 to 415.

League standing follows:

Team	W	L	Team	W	L
Woes	14	7	Kemps	11	10
Hi Balls	14	7	Dodgers	9	12
Controllers	13	8	Rattlers	8	13
Pick Ups	12	9	Spinners	3	18

Place all poisons in specially marked containers and out of reach of children.



The following Y-12 employees were patients last week at the Oak Ridge Hospital: Nina F. Lowery and Sidney R. Anderson, Product Chemical; Emily L. Leyshon, Isotope Research and Production; Lester W. LaRue and Harry L. Dickenson, Guard Department; Wayne Rogers, Building and Grounds; Dr. P. D. Scofield and Daisy F. Whitehead, Medical; Trada W. Joiner, Wage Standards; James T. Creasman, Stores.

Varsity Keglerettes Trounce Marot Jewelers For Two Points

The Y-12 women's varsity bowlers knocked off a high ranking opponent in the Oak Ridge City League for the second straight week last Thursday night when they took two out of three games from the fourth place Morat Jewelers keglerettes. The previous week the second place Tulip Town lassies fell before the good bowling of the Y-12 pinwomen.

The victorious Y-12ers got away fast, taking the first game by 719 to 649 and the second clash by 691 to 676. The Morat team rallied to capture the final tilt by 657 to 635. The total pinnage was 2,045 for Y-12 and 1,982 for Morat.

Olyne Poindexter led the Y-12ers with a fine 469, consisting of games of 157, 170 and 142. Other Y-12 scores were Katie Williams 154, 135, 111-400; Ruth Law 136, 120, 131-387; Margaret O'Neal 144, 117, 125-386; and Daisy Ward 111, 142, 119-372.

Y-12 Riflemen Lose Close Tilt To K-25 Team

Sharpshooters of Y-12 on the recently organized plant rifle team were nosed out by 1445.717 points to 1441.196, an extremely narrow margin of 1.52, in their initial contest of the year last Thursday night on the indoor range of the Oak Ridge Sportsmen's Association with the K-25 gunmen pulling the trick. The Y-12ers will fire against Oak Ridge National Laboratory at the same place Friday night of this week.

Squads of nine and 11 men fired for Y-12 and K-25 respectively in the match last week with the handicap scores of the top five being for record. The top quintet for Y-12 and their scores were Bill Bell 291.079, H. C. Hoy 289.888, Calvin Ezell 288.489, Pat Patterson 287.470 and Ed Gammon 287.270. Hoy fired the best scratch score for Y-12 with 271 out of a possible 300.

The rifle teams use small bore (.22 calibre) rifles, shooting from three positions at 50 feet.

All Stars Finish Eighth In Tourney

The All Stars, team in the B League of Y-12 plant bowlers, finished eighth among 37 teams entered in the Oak Ridge City bowling tournament, with a handicap series score of 2,918. It was the only Y-12 team of several entered to finish in the money among the top ten. Singles and doubles firing was to have been completed over the past week end in the city tournament.